Appendix A

Testing results of horizontal interface

Estimated ground parameters of two-layer architecture network trained by non-normalization data

Figure A1 Predicted $h_1$ by two-layer architecture network trained by non-normalization data
Figure A2 Predicted $V_1$ by two-layer architecture network trained by non-normalization data

Figure A3 Predicted $V_2$ by two-layer architecture network trained by non-normalization data
Estimated ground parameters of three-layer architecture network trained by non-normalization data

Figure A4 Predicted $h_1$ by three-layer architecture network trained by non-normalization data
Figure A5 Predicted $V_1$ by three-layer architecture network trained by non-normalization data

Figure A6 Predicted $V_2$ by three-layer architecture network trained by non-normalization data
Estimated ground parameters of two-layer architecture network trained by normalization data

Figure A7 Predicted $h_1$ by two-layer architecture network trained by normalization data
Figure A8 Predicted $V_1$ by two-layer architecture network trained by normalization data

Figure A9 Predicted $V_2$ by two-layer architecture network trained by normalization data
Estimated ground parameters of three-layer architecture network trained by normalization data

Figure A10 Predicted $h_1$ by three-layer architecture network trained by normalization data
Figure A11 Predicted $V_1$ by three-layer architecture network trained by normalization data

Figure A12 Predicted $V_2$ by three-layer architecture network trained by normalization data